(54) Title: REAL-TIME ADAPTIVE CONTROL FOR BEST IC PERFORMANCE
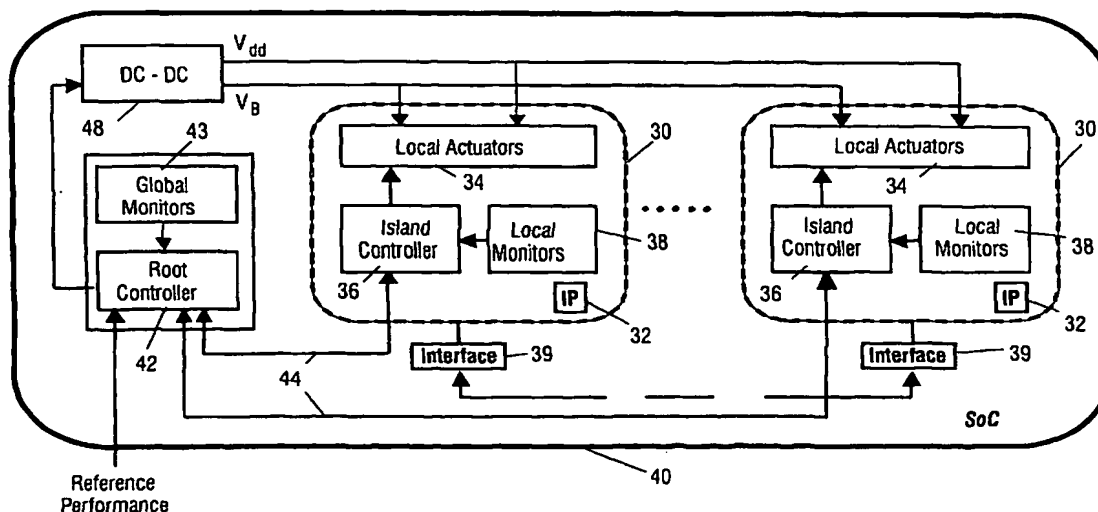
(57) Abstract: The present invention relates to real-time adaptive control for best Integrated Circuit (IC) performance. The adaptive
behavior is carried out on a local basis. The system is partitioned into different islands (30). Each island (30) is controlled and its
working conditions are modified depending on some parameters. The remainder of the chip is controlled as well, depending on other
parameters. This requires that each island (30) has a local controller (36) communicating with a global controller (42). The main
control parameters are e.g. supply voltage, threshold voltage and clock frequency.

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.